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5 cont alkaline phosphatase activity, are pluripotent, and have euploid karyotypes [which includes the presence of all of the chromosomes characteristic of the human species] and in which none of the chromosomes are [noticeably] altered.

C 9. (Amended) A method of isolating a ^{pluripotent} human embryonic stem cell line, comprising the steps of:

- B4
5 (a) isolating a human blastocyst;
(b) isolating cells from the inner cell mass of the blastocyte of (a);
(c) plating the inner cell mass cells on embryonic fibroblasts, wherein inner cell mass-derived cell masses are formed;
(d) dissociating the mass into dissociated cells;
10 (e) replating the dissociated cells on embryonic feeder cells;
(f) selecting colonies with compact morphologies and cells with high nucleus to cytoplasm ratios and prominent nucleoli; and
15 (g) culturing the cells of the selected colonies to ^{pluripotent} thereby obtain an isolated human embryonic stem cell line.

B5 11. (Amended) A cell line developed by the method of [step] claim 9.--

Remarks

In the September 24, 1999 Office Action, the sequence submission was objected to, a double patenting rejection was raised, the photo drawings were objected to, an enablement rejection was raised, and various indefiniteness rejections were raised. In view of the Amendment above, the Remarks below, and the enclosed Declaration, reconsideration is respectfully requested.

Sequence Submission

A replacement diskette containing the sequence submission is enclosed herewith. Also enclosed is a paper copy of the sequence listing and a statement under 37 C.F.R.